

Attorney Docket No.: 1243.LUKP:123US  
U.S. Patent Application No. 10/711,823  
Reply to Office Action of August 29, 2006  
November 29, 2006

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently Amended):        A gearbox actuator comprising:

a gearbox actuator housing;

a drive unit;

~~a single selector shaft driven by a drive and arranged in a housing upon which are arranged a shift finger and disengaging elements that operate gearshift rails; and,~~

a bearing arrangement operatively arranged to support the gearshift rails;

wherein said single selector shaft comprises a shift finger and disengaging elements, said single selector shaft is driven by said drive unit and is arranged in said gearbox actuator housing, and said shift fingers and disengaging elements are arranged to operate the gearshift rails, and wherein said bearing arrangement is formed by protruding rods operatively arranged to support the gearshift rails.

Claim 2 (Cancelled)

Claim 3 (Currently Amended):        The gearbox actuator according to Claim 1, wherein the gearbox actuator housing comprises an attachment part operatively arranged to be attached to a gear housing of a gearbox where said protruding rods protrude through an opening or recess in the gear housing into the ~~gearbox actuator~~ gear housing.

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Claim 4 (Previously Presented): The gearbox actuator according to Claim 1, wherein the attachment part and the protruding rods are manufactured as an injection molded part.

Claim 5 (Currently Amended): The gearbox actuator according to Claim 1, ~~wherein there are provided two~~ further comprising first and second upper protruding rods and two first and second lower protruding rods, said first and second upper protruding rods that are arranged opposite each other with respect to the selector shaft, and said first and second lower protruding rods arranged opposite each other with respect to the selector shaft.

Claim 6 (Previously Presented): The gearbox actuator according to Claim 1, wherein two protruding rods are provided.

Claim 7 (Currently Amended): The gearbox actuator according to Claim 1, ~~wherein each member of an~~ further comprising first and second upper pair of protruding rods and each member of a first and second lower pair of protruding rods, said first and second upper protruding rods are each arranged symmetrically opposite each other with respect to the selector shaft, and said first and second lower protruding rods arranged symmetrically opposite each other with respect to the selector shaft.

Claim 8 (Previously Presented): The gearbox actuator according to Claim 1, wherein the protruding rods have guide shoe parts at their ends resting against the gearshift rails.

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Claim 9 (Previously Presented):      The gearbox actuator according to Claim 1, wherein the housing, the bearing arrangement for the selector shaft and the protruding rods are made as an injection molded part.